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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 03/18/2008

Sandeep Jaggi c/o Mark Salvatore LSI Logic Corporation, M/S D-106 1551 McCarthy Boulevard

Milpitas, CA 95035

EXAMINER
ANGADI, MAKI A

PAPER NUMBER

ART UNIT

DATE MAILED: 03/18/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/943,196	08/30/2001	Charles E. May	01-146	8500

TITLE OF INVENTION: ARRANGEMENT AND METHOD FOR FABRICATING A SEMICONDUCTOR WAFER

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	06/18/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NOT THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless corrected maintenance fee notification	form should be used for orrespondence includir d below or directed oth ons.	for transmitting the ISS ng the Patent, advance of herwise in Block 1, by	TUE FEE and PUBLICAT orders and notification of (a) specifying a new corre				
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							(Date)
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EXAMI	NER	ART UNIT	CLASS-SUBCLASS]			
ANGADI,	MAKI A	1792	438-692000	-			
"Fee Address" indic PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	ndence address (or Cha 7122) attached. cation (or "Fee Address c or more recent) attach TO RESIDENCE DATA sss an assignee is ident in 37 CFR 3.11. Com	inge of Correspondence I Indication form and. Use of a Customer A TO BE PRINTED ON	2. For printing on the j (1) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty e data will appear on the j T a substitute for filing an (B) RESIDENCE: (CIT*)	o 3 registered paten vely, le firm (having as a agent) and the name orneys or agents. If a printed.	membes of u	er a 2p to e is 3	cument has been filed for
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



Milpitas, CA 95035

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Sandeep Jaggi			ANGADI	MAKI A
c/o Mark Salvatore			ART UNIT	PAPER NUMBER
LSI Logic Corpora 1551 McCarthy Bo	oulevard		1792 DATE MAILED: 03/18/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
09/943,196	MAY, CHARLES E.
Examiner	Art Unit
MAKI A. ANGADI	1792

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 1/14/2008.
- 2. The allowed claim(s) is/are 6-11,13 and 21-33.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1.

 Certified copies of the priority documents have been received.
 - Certified copies of the priority documents have been received in Application No.
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: ____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date ______

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date ______.
- 7.

 Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. Other _____.

/Maki A Angadi/ Examiner, Art Unit 1792 /Duy-Vu Deo/ Primary Examiner, Art Unit 1792 Application/Control Number: 09/943,196

Art Unit: 1792

Objection to the Specification

Applicants' explanations on page 9 of the reply filed on 1/14/2008 are persuasive. The objection under 35 U.S.C. 132(a) is withdrawn.

Claim Rejections - 35 USC § 112

Applicants' arguments on page 9 of the reply filed on 1/14/2008 about the 35 U.S.C. 112, first paragraph rejection claims 6-9, 11, 22 and 25-28 are persuasive. The rejection is withdrawn.

Allowable Subject Matter

- 1. Claims 6-11, 13 and 21-33 allowed.
- 2. The following is an examiner's statement of reasons for allowance:

With respect to claim 13, the closest prior art of Kobayashi (US Patent No. 5,985,045) fails to disclose or suggest a method of polishing a semiconductor wafer, comprising "a non-aqueous solvent on said semiconductor wafer during chemical mechanical polishing to rinse the wafer, wherein said non-aqueous solvent includes an amine, along with rest of the limitations" as defined in applicants' independent claim 13.

With respect to claim 21, the closest prior art of Kobayashi (US Patent No. 5,985,045) fails to disclose or suggest a method of polishing a semiconductor wafer that includes the steps (b) and (e) of: "disposing first and

Application/Control Number: 09/943,196

Art Unit: 1792

second volume of the aqueous slurry solvent mixture containing an abrasive material on a single wafer" as defined in applicants' independent claim 21.

With respect to claim 25, the closest prior art of Kobayashi (US Patent No. 5,985,045) fails to disclose or suggest a method of polishing a semiconductor wafer that includes the step (c) of: "facilitating the advancement of the non-aqueous liquid into contact with the semiconductor wafer by decreasing the force applied to said polishing pad" ad defined in applicants' independent claim 25.

- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MAKI A. ANGADI whose telephone number is (571)272-8213. The examiner can normally be reached on 8 AM to 4.30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G. Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public

Application/Control Number: 09/943,196 Page 4

Art Unit: 1792

PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Duy-Vu N Deo/ Primary Examiner, Art Unit 1792

/Maki A Angadi/ Examiner, Art Unit 1792



Application/Control No.	Applicant(s)/Patent under Reexamination
09/943,196	MAY, CHARLES E.
Examiner	Art Unit
MAKI A. ANGADI	1792

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Application Number

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 09/943,196
 MAY, CHARLES E.

 Examiner
 Art Unit

 MAKI A. ANGADI
 1792

Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

09/943,196 Examiner

MAY, CHARLES E. Art Unit

Rejected = Allowed

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MAKI A. ANGADI

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